

## note on quantitative predictions

Our analysis is usually independent of scale of notation used to express the result. For a scale with index  $n$  in which result is expressed with  $n_2$  digits.

we replace  $\epsilon^n \rightarrow \left(\frac{1}{2\pi n}\right)^{n_1} = \frac{1}{n_2}$

(a better perhaps  $\frac{1}{n_1-1} \cdot \frac{1}{n_2} \cdot \frac{1}{n_2-1}$ )

But best after turned to number

$$x = a_0 + a_1 n + \dots + a_n n^{n-1}$$

expressible in form  $n^n$  is  $n$

So identifying approximated best after leads on this sense we have

$$n_2 n^{n_2} \approx \text{const independent of } n.$$

Symposium Methadologues: Bayesian & Popperian.  
vol. 30 no. 1/2 1975.

Very good articles by Agazzi and Bayes

Richard Jeffrey expands Bayes.

$P(H)$  may be very small - what can  
we learn interested in  $\frac{P(H/E)}{P(H)}$

not absolute value of  $P(H/E)$

Give cite Popper - Pearson &  
expansion to Popper methodology.

Miller replies to Jeffrey from our

meanwhile subjective  
and, no correct or better, or if  
prior, not objective.

Miller very interesting paper on the  
science of probabilities - plus some  
science which can be improved by  
defining new parameters - signs  
against essentialism also some parameters  
are basic (cf Neyman's paradox)



Diller's reply to Jeffery's remarks  
on comment

"Ruffin's theory - that our decisions are  
so well retained that they are  
subject to severe criticism (in the  
light of theories which are themselves  
severely tested) - can do what Baginski  
cannot do. It notes that what  
is retained about a retained decision  
Jeffery doubts as is now valid.  
- But truly it is the Baginski who  
is wrong."

Jeffrey's criteria for degree of Confirmation

$$\frac{P(H/E)}{P(H)} \text{ not good} = \frac{P(E(H))}{P(E)}$$

just confirms M and N if E confirms M  
but E is irrelevant to N.

I don't see relevance of  
for example Newton + Newton  
 $\bar{E}$  = value of planets.

If prefer  $P(H/E) - P(H)$

If rejects  $\frac{P(E(H)P(H))}{P(E)} = P(H/E)$

Sydney 1975

Jeffrey considers also likelihood of being  
that he rejects - (or all is potential  
Hence always  $P(E/H) = 1$ ?)

A. Nungere?

Scientists work on hard cores they  
do not believe in } of Newton  
Bohr }

(most esp by Howson)

Difference from Tan on ad loc.

Tan's criterion is implausibility.  
quite opposite to my view -  
much - naked Bayesian

$$P(C) = 0.95$$

$$P(H) = 0.5$$



Hacking I. Phil Sci. 34 (1967) p 311-325.

"Slightly more realistic Personal Probability"

discusses dynamic assumptions

claims distinction between conditional prob.  
 $P(h/e)$  and probability  $P(h)$  for a fact  $P(h/e)$ .

No Dutch Book argument can justify  
the dynamic assumption.

"Conditional probabilities indicate how confident  
a person feels as to judge that to occur  
if he knew  $e$  or could  
put it to the judge  $e$  he can now change  
to a new probability given that  $e$   
proceeds  $e$ .

Hacking says probability dynamics is  
a neglected subject - refers to

Toffler to correct this in

Hacking against agent conditionalization  
argued by P. Teller (places bets at future)  
See footnote 26, 218 (1973)

Paul Feller's views are supported by.  
William Harper in Spectator 30 (1975) 221-262.